## **EXHIBIT I**

## UNITED STATES DISTRICT COURT FOR THE NORTHERN DISTRICT OF GEORGIA ATLANTA DIVISION

DONNA CURLING, et al.,	)	
Plaintiffs,	)	
	)	CIVIL ACTION FILE
V.	)	
	)	NO. 1:17-cv-02989-AT
BRAD RAFFENSPERGER, et al.,	)	
Defendants.	)	

DEPOSITION OF TERESA LYNN LEDFORD

June 24, 2019



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- Q. Did you think that the county's processes for counting the hand-marked paper ballots were affected?
  - A. "Counting" meaning for the poll officials or for the main office?
    - Q. Both.
  - A. Well, it was difficult for the poll officials because optical scan ballots carry a different set of problems just like any set does.

    And if you had a voter who overvoted a ballot or had something wrong with it and the unit wouldn't take it, that ballot would be spoiled. The voter would be given an addition ballot. They would have to go down --

(Reporter requests that witness slow down.)

THE WITNESS: The voter would be given the option to take a second ballot or continue to have that ballot spoiled and not cast. And we had that happen more frequently than I think people realize because they didn't want to go back and do that. And so it created, you know, a significant issue with that.

1	The machines themselves were not
2	problems. As far as the tabulation, the
3	aggregation of the results, it was not an
4	issue.
5	BY MR. POWERS:
6	Q. Mm-hmm. Do you recall how many complaints
7	you strike that.
8	Do you recall receiving any complaints from
9	voters about having to cast the second paper ballot
10	or not having their paper ballots scanned properly?
11	A. Yes.
12	Q. How many complaints do you recall receiving?
13	A. I don't. It's been too long. And like I
14	said, we only used it for two years. It was
15	significant enough that it stuck in my mind is the
16	only way I know how to describe that.
17	Q. Sure. Do you have any strike that.

- Did you have any concerns about the integrity of the elections that were conducted in Gwinnett County using the hand-marked paper ballots?
  - A. I don't remember.
- Q. Sitting here today, do you have any concerns about the integrity of the elections that were conducted in Gwinnett County using hand-marked paper ballots?

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## BY MR. POWERS:

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Q. So before we move on, perhaps, do a little bit of clean up on some questions that I posed to you before the break.

Before the break you spoke about moving from the punch card voting system to the optical scan system in 2000.

I wanted to ask what general response you received from voters upon the change from the punch card voting system to the optical scan system?

A. Initially it was confusion. Anytime you have a change, you have to do public education and voter education. So they were confused to begin with.

But the problem we had with that we still continue to have today. When you have a general election, you have a write-in candidate. Say you have voters that want to bubble in Mickey Mouse and then come in and bubble in the write-in space for Mickey Mouse and then write Mickey Mouse's name on it. That is just a continuing problem with that type of ballot.

But, again, initially, it was just confusion. And then about the time, you know, we used it for the last election, they were used to it

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- Q. When you say "they were used to it," what do you mean by that?
- A. We just didn't get as many complaints as we did the first election that we used it for because they had gotten used to -- you know, they knew to bubble in and put it in the scanner and what they were looking for.
- Q. From an election administration's standpoint, was the optical scan system an improvement over the punch card system that had been employed before?
- A. I don't know that it was an improvement. It was just a change. You know, of course, with what happened in 2000, we were glad we weren't on punch card. I don't necessarily think it was an improvement. I don't necessarily think it was not an improvement. It was just a change.
  - Q. You had mentioned the write-in issue on the optical scan system. Isn't it true that there's -- you can still write in candidates on the current voting system?
- A. Yes. On the DRE and the optical scan but the DRE won't let you cast an overvote. That's the difference.

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Q. I wanted to talk about the spoiling issue that you had mentioned earlier. You had mentioned overvotes.

Could you explain to difference between when a voter casts an overvote and other situations in which casting a vote by paper ballot can result in a particular vote getting caught up for some reason?

A. Sure. Again, first, there is the overvote and that's when someone votes for more than the number of candidates allowed in a particular race. So if you're only allowed to vote one and you vote two, then it kicks that out. That's considered an overvote.

If a voter happens to make a stray mark in the timing marks around the ballot, sometimes that will kick it out. If the ballot isn't printed exactly correctly, if it's just a millisecond issue -- I don't know. I'm not a tech person. But if it's the least bit off, it will not accept the ballot, which would be a broader problem with more ballots, but you can see that as well.

If for some reason a ballot was damaged, perhaps, if an absentee ballot, at someone's home they spill coffee or tea on it or if they used Wite-Out ®, the liquid Wite-Out ®, it considers it an

- A. No. Prior to that, I believe, it was electronic transmission.
  - Q. Mm-hmm. And let's talk about that.

First, when was the switch made from the electronic transmission to the current system of physically going and picking it up?

- A. I don't remember.
- Q. Five years ago?
- A. It's been within the last five years.
- Q. That's helpful.

Please describe to me what the -- how the electronic transmission of the ballot was completed.

- A. Before the switch or...
- Q. Before the switch, yes. Thank you.
- A. It was put onto a CD and we would go and pick it up and bring it back to the office. So it wasn't a sealed bag like it is now.
- Q. Mm-hmm. And after the election is over, what would you do with that CD?
  - A. With the ballot layout on it?
- 21 Q. Yes.

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- 22 A. I don't remember.
- Q. Okay. Now, let's shift from the ballot design to the electronic poll books.

How long have electronic poll books been

turn around a print order once you give it to them? 1 Α. I don't know. 2 Does the price of printing paper ballots 3 Q. depend on the type of printer that's used? 4 We have Ballot On Demand. We have our 5 own printers and it's 55 cents a page regardless. 6 7 Ο. Got it. So for Ballot On Demand printers, the cost is 55 cents per page? 8 9 Α. Correct. 10 Ο. Do you know what the cost per page is on other types of printers? 11 You're talking from other vendors? 12 Α. Ο. (Counsel nods head affirmatively.) 13 I don't remember. 14 A. No. 15 Let's consider the whole absentee ballot 0. process sort of from the beginning. 16 How long in advance do you need to know what 17 the ballot style is to be able to get them printed in 18 time to conduct the absentee ballot process? 19 20 Α. I'm sorry. Can you say that question again? I'll say it a little more simply. 2.1 Q. Sure. How long before an election do you need to 2.2 start preparing for the absentee balloting process? 23 Α. Well, we vote -- whatever the beginning 24

deadline is for that because we have -- depending on

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anything that can be done to allow that voter to -allow me to recast the ballot or once it's in, it's
in?

- A. Once it's cast, it's cast. There's no way to retrieve a ballot.
- Q. There's no way to retrieve a ballot on the DRE machine?
- A. Yeah because it's randomized. We wouldn't have any idea which ballot was that voters.
- Q. Got it. Perhaps we could flip to the second page of Plaintiff's Exhibit 4.
- A. Sure. When I touch a candidate on the right side of the screen, it selects another candidate.

  The right side of the screen is faulty on the third to the last machine on the right side of the front section of the voting booth. The machine made a selection for me.
  - Q. What is the name of the voter?
  - A. Oh, Archel Bernard.
  - Q. Is essentially what Mr. Bernard saying is that he tried to vote for candidate X and instead candidate Y's name lights up as having been selected?
    - A. Mm-hmm. I think so, yes.
    - Q. How does that kind of problem occur?
- A. I have no idea because I don't know --

without being there, I don't know if the voter
touched something. If he had a big finger and put
his whole finger down and it registered one instead
of the other. I don't know if he had something on
him that touched the screen.
You know, without having been there, we
don't know. And that's, you know, another reason wh

don't know. And that's, you know, another reason why you have that review screen at the end, so if something is incorrect, they can go back and correct it before they cast their ballot. Like I said, it would be pure speculation to guess that was what caused that.

- Q. Has this kind of issue cropped up in elections before the November 2018 election?
- A. Usually only in general elections when there's parties involved --
  - Q. And --

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- A. -- which lead you to believe it's a voter issue not a machine issue.
- Q. Mm-hmm. Are you aware of any instances in which you or a poll worker has seen this issue occur where you tap one candidate's name and then a different candidate's name lights up?
- A. I have never seen it. I assume the poll officials have since they are in the field with the

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voters. And if we get those phone calls, usually
that's what we determine is we will have them walk
the voter back through what they did. And oftentimes
it was -- like I said, something touched or whatever.
It didn't flip the vote.

- Q. Just to make sure I understand, so poll officials have called in to the Board of Elections and said, Hey, I'm having an issue with a voter and a machine where ballot flipping is occurring?
- A. No. They don't use the word "ballot flipping" because that's not what it is.
  - Q. Sorry, sorry. My words.
- A. Something is different with the machine and we can't tell if it's the voter or the machine. And what we usually find out is it's the voter and not the machine.
  - Q. Got it. Thank you.
  - A. Just make sure you get that correct.
  - Q. I appreciate that.
- So have there been at least some instances where the issue was not the voter?
  - A. Not to my knowledge.
- Q. Could we please turn to the third page of Plaintiff's Exhibit 4?
  - A. Cassandra Smith.

- Q. What is the nature of Cassandra Smith's complaint?
- A. Hers is similar to the first one, that she was on her voting summary screen and the card popped out before she intended for it to.
- Q. So this is the same problem where the voter is saying that --
  - A. It is.

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- Q. The voter is saying that the vote ended up getting cast without her --
  - A. -- touching a ballot.
  - Q. -- initiating it?
  - A. Yes.
  - Q. Let's turn to the next page.
- A. Patrice Tillman. This is where she said she's touching the Democratic candidate, but the Republican's name came up instead. And she was shown how to unselect and reselect the vote.

And that was like very similar to what we see all the time. And because the Democratic candidate is below the Republican candidate, when you go to touch it, if you're a female and you have a long fingernail or you don't press it in the right spot, it will pick up whichever one it reads the most of. So it would have picked up the Republican

candidate. 1 Got it. Ο. 2. 3 The fat finger issue? Α. Yes. 4 Mm-hmm. Could we turn to the next page of 5 O. Plaintiff's Exhibit 4? 6 James Lamb. Similar issue to the first --7 Α. the first one where he was on his summary screen and 8 he says that it cast the vote. He saw the -- what's 9 he calling it -- the sand timer, the timer thing. 10 Ι can't think of what it's called. 11 MR. STEPHENS: The hourglass? 12 The hourglass. 13 THE WITNESS: I'm sorry. 14 BY MR. POWERS:

- Q. If you wouldn't mind taking me through -16 was it Mr. Lamb's --
  - A. Yes.

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- Q. -- complaint and how an hourglass would show up?
  - A. When you touch the screen, just like you do on your computer, as it's going through thinking, it has an hourglass and it just rotates. It doesn't do anything. It's just there to show you that it's thinking.

And so he saw the hourglass come up and

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to experience the total disappointment.

- Q. So does that mean that the machine was taken offline and no longer used afterwards?
- A. Correct. And there may not have been anything wrong with it. It's just what the poll official decided to do based on this. I don't know, so...
  - Q. Great. You can turn to the next page.
- A. Sue Nash. Same thing, it's on the summary screen and it cast her ballot.
  - Q. Can we turn to the next page?
- A. Mm-hmm. I can't read this one. This one sounds like a bad memory card. It said -- this is from the poll official talking about a voter and said When they put the card in, it came out and said it was invalid. The count showed that the voter had not cast their ballot, so they were reissued another ballot and they voted on another machine.
- Q. Can you help explain what happened with the memory card? Was it a Ms. Lewis -- was it then -- what's the name of the poll worker?
- A. Yes. Occasionally, you will have a memory card -- a memory card? I apologize -- a voter access card that has the little chip on it just like your credit card does. And if that gets very, very

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dirty -- we try to get them to wipe them off multiple times throughout the day, but there could be just something has gone bad with that card.

And, oftentimes, if you put that in a machine, it will come and tell you it's invalid. And so when that happens, it won't cast a ballot. So the voter has to be issued a second card. And sometimes they'll vote on the same machine and sometimes they want to go to a different machine. It's totally up to a voter.

- Q. How does the poll worker ascertain in a situation like that, whether or not a vote was actually cast?
- A. They have to stop voting. And they go around and take a count off of each of the machines. And then they take a count of the number list of voters off of the express poll and they match those numbers up. If they are one less or one over, then they determine the voter either did or did not cast that ballot.
  - Q. That seems like a -- strike that.

So if we're at a polling place where there's a lot of machines, am I getting it right, that you have to take -- or stop voting at all of the other machines and essentially count all of the ballots

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1 | that have been cast at the precinct that day?

- A. The number, yes. And they have to do that on -- hourly anyway. And so it's not like they have to start -- you know, if someone casts that -- if that happens at five o'clock in the afternoon, they're really just reconciling from their four o'clock number on, not all throughout the day.
  - O. Got it. Got it.

That process -- strike that.

How often does that happen on a given election?

- A. I couldn't tell you. Sometimes we know about it and sometimes we don't. So we don't know.
- Q. Mm-hmm. What is the Gwinnett County Board of Elections' retention policy with respect to complaint intake forms?
- A. Two years, 24 months. And there's no -that is just a county thing because we keep
  everything 24 months by law, so we just include that
  in that.
- Q. So if there were complaint intake forms from prior elections, say the November 2016 election, that would have been disposed of 24 months after they had been received?
  - A. Correct.

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Α.

Yes.

- Q. Have you received similar complaints about DRE voting machines and elections prior to 2018?
  - Q. What kind of investigation do you do to try to figure out what the -- what the problems were and what can be done about it?
  - A. Well, if the machine does not continue to have problems, there's nothing to investigate. We have no way of doing forensics on machines and that's not our job.

If another voter -- and the poll officials pay attention. If another voter has a problem with the same machine, then they'll call us and say, Hey, we've got this. And we would take that out of service. We wouldn't allow it to be used the rest of the day.

- Q. You mentioned that the County doesn't have an ability to conduct a forensic analysis of the machines?
  - A. Correct.
- Q. Have you had any situations where you thought a forensic analysis of a particular machine might be necessary?
- A. No. If we take a machine out of service and we get it back, it gets a ticket put on it and it

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goes straight back to the vender. And they look at
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        If there's anything wrong with it, they fix it,
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  correct it, retest it.
            It comes back. It gets tested by Ken --
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  well, it used to be Kennesaw State, now the State.
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  It gets recertified and then gets sent back to the
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  County.
            Got it. And how frequently do you send
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  machines back to the vendor?
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- A. We send them every year, but the number is relatively low. Maybe 10, if it's that many.
- Q. Did you send roughly 10 machines back to the vendor after the 2018 election?
  - A. I don't know.
  - Q. Could would you say 10 is a relatively typical number --
  - A. Ten or less, yes.
- Q. Who is the vendor that you're sending the machines to for maintenance?
  - A. ES&S.

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- Q. When you send a machine to ES&S, do they send you back the same machine or do they send you a new one?
- A. It depends. Ninety-nine point nine percent of the time, it's the same machine because it's

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Let's take a hypothetical where a voter votes in the wrong party's primary and actually casts a ballot and comes back and says, I'm sorry, I voted in the wrong party's primary, can I get a new ballot, what happens next?

- A. They can't -- once you touch "cast ballot," you have casted your ballot.
- Q. We touched on this a little bit before, but could you please describe the policies and procedures currently in place to make sure that each voter's ballot remains secret?
  - A. DRE? Absentee by mail? Provisional?
  - Q. Let's take DRE machines.
- A. Okay. Well, obviously, nobody but the voter sees their ballot. So once they are given their card and they put it into the machine, it pulls up their ballot -- which it only pulls up their ballot.

They go through and they make their selections. They touch "cast ballot." When they do, the machine -- the machine -- they yellow card pops out. The card has nothing on it at that point; it's reused throughout that day.

Absentee ballots, once they are received in the office, once they are certified and good to be

How many optical scan units does the 1 Q. Gwinnett County Board of Elections currently own? 2. I think we have 36 -- 32 or 36. 3 Α. Q. Thirty-two or 36? 4 Α. 5 Yes. So in a situation where cities were 6 0. conducting elections using optical scan units, would 7 you anticipate receiving a request from --8 for optical scan units from all Gwinnett County 9 municipalities or only those that currently request 10 DRE voting machines from you? 11 Well, we have 16 cities wholly or partially 12 located in Gwinnett and there is no rhyme or reason 13 14 as to when or how they choose to use the equipment. So I'm not qualified to answer that question 15 based on I just don't have the history -- it's just 16 17 all over the place and I wouldn't want to speculate on that. 18 O. Got it. 19 20 So there are 16 municipalities in Gwinnett County? 2.1 2.2 Α. Yes. Are they all conducting their own elections 23 0. in November of 2019? 24 25 For the ones that are having them except for Α.

Braselton and Jackson County because it's the City of Braselton and, actually, Walton County conducts the City of Auburn.

Q. What about Buford?

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- A. They conduct their own.
- Q. Let's consider now the March primary election.

If Gwinnett County were holding an election using optical scanners for the March 2020 primary, how many optical scanners would the County need?

A. I don't know. We would need -- it would have to be a minimum of two for 156 polling locations. That would be a bare minimum.

You've got people standing in line. It takes a while to read those. In Gwinnett County, our ballots usually are a little bit longer, so we have to account for that as well.

We would need a minimum of five at those so whatever that number would be. And, like I said, that would be just the bare minimums. That would not suffice. You would have to have three or four units at the site and probably 10 at the advance voting sites because those scanners are not very quick either.

Q. You've reminded me of something.

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So I think that there's oftentimes a rush to judgment without asking proper questions or getting more detailed information. And, you know, for those of us in elections administration, we take our jobs very, very seriously. And we want every election to be as good as it can.

There's no perfect election. There's absolutely no perfect election equipment, but we've not had -- to my knowledge, we've not had problems with ours or it's not questionable.

- Q. We definitely appreciate your work and all the work of your staff.
  - A. Thank you.

MR. POWERS: And I do, too.

- BY MR. STEPHENS:
- Q. Mr. Powers asked you as well about feeding ballots through optical scanners for recounts?
  - A. Mm-hmm.
- Q. When you have a ballot that is long or additional size, does that take longer to feed through the optical scanner?
- A. The optical scanners that we have are not high speed scanners as most people who have watched us count those things knows and if you have -- you

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1 know, and different ones react different ways to different ballots.

So sometimes you have what's called shuffling. You put it in. It will shuffle it three or four times and then it takes it. The next one it will take and the next one it will shuffle it. Well, it won't take, so then you have to turn it upside down. You have to do it backwards. You have to do it different orientations.

So, you know, like I said, you can try to average an amount of time to do a ballot, but if you've got a two-page 18-inch ballot, which is what we had in November and especially when you have multiple folds within the ballot as well, it creates additional time to read those ballots.

The easiest ballots to read are the provisionals because they're straight. We print them, we duplicate them and they go straight into the optical scan. But the provisional -- absentee ballots are very, very difficult to scan.

Q. Then there was some discussion earlier about the process. You mentioned having to duplicate 98 percent of the provisional ballots.

Can you explain a little bit what ballot duplication means for paper ballots?

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A. Yes. One of the reasons that people can choose to vote a provisional ballot is if they show up at an incorrect poll and they don't have time or make a fuss and don't want to go to the correct poll. Poll officials are -- at that point will offer them a provisional ballot.

Well, if they're at the wrong polling location, the ballot at that poll are only for -- or the precinct are only for that precinct. So if you have a voter that lives in Dacula but they are trying to vote in Snellville, that ballot is not going to be the same.

So when that ballot comes in on election night, we have to research that and we pull the correct ballot for the voter. And then we take the ballot that they actually voted and anything that they were eligible to vote for, we transfer onto that duplicate ballot. And they're labeled "original" and "duplicate." And then the duplicate is what is actually read for tabulation.

And the duplication process involves three people. You have to have one person read the original ballot, one person mark the duplicate ballot and one person to monitor that process.

Q. Would you consider the ballot duplication

process a time consuming exercise?

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A. Yes. Because it's very manual. It's a very, very laborious process. When people are tired, you know, we came in at four, five o'clock on election morning and we only have three days to get these things done and you're trying to do everything else. You've got to wrap up an election.

It's an accurate process but, again, it takes a very long time to get there.

- Q. Once you start counting ballots after the polls close on election night, is there a requirement that you continue counting until you finish?
- A. Yes. We would love that law to be changed. They missed that House Bill 316. I'm just saying.

And I understand. You don't want to lose the integrity of the system. And there are people who would think that some Keebler elves come in and manipulate ballots or do something.

So, yes, we stay there until we're done, which is oftentimes -- depending on the election could be two or three o'clock in the morning or it could be like this last election where it was four o'clock in the afternoon the next day.

Q. So Wednesday afternoon at four o'clock is when you finished the 2018?

Curling et al. v. Deposition of Raffensperger et al. T. LYNN LEDFORD

6/24/2019

1	CERTIFICATE
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3	STATE OF GEORGIA:
4	COUNTY OF FULTON:
5	
6	I hereby certify that the foregoing
7	transcript was taken down, as stated in the caption,
8	and the colloquies, questions, and answers were
9	reduced to typewriting under my direction; that the
10	transcript is a true and correct record of the
11	evidence given upon said proceeding.
12	I further certify that I am not a relative
13	or employee or attorney of any party, nor am I
14	financially interested in the outcome of this action.
15	This the 28th day of June, 2019.
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